



PO No	Supplier	Line Item No	Ref No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Pass Due
PO038983	ACI001-VC	11	1	Net 30	M303B1.000X03.000	303 Bar 1" X 3' : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft				24	2/28/2018	24		S047255	Stock	3/2/2018	\$ 74.41 / ft	0	
		12			M303B1.000X1.000	M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft						26		S047256	Stock	3/2/2018	\$ 20.94 / ft	0	
		23			MT-4140-B-1.000X6.250	4140 Steel Bar 1.000 X 6.250 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft						4		S047257	Stock	3/2/2018	\$ 61.25 / ft	0	
									Total:	52		54							

Plex 3/2/2018 1:04 PM Dart.Dubois.Pascal

DELIVERY - CLIENT

Copy CO00073293



ACIER OUELLETTE INC.

935, Boul. du Havre

Sabre de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl.: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

CLI0001056

Date

2018/02/08

Delivery date

2018/03/02

Your order N°

038983

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Processed by

Salesman

Carrier

Credit Term

Josianne Bourdon

OUELLETTE VALLEYFIELD

Net 30 Days

Instruction F-M

Delivery Route 5

Page

1

Product Description

Weight

Qty

U/M

CMD

EXP

B/O

IN

I

S

C

OUT

Product Description	Weight	Qty	U/M	CMD	EXP	B/O	IN	I	S	C	OUT
1 FLAT SS 1 X 3 SS303 NS FSS-13303	246.00	24.00	PI_\$CLB								
2 X 12' R/L HEAT: E274980 AC13480-SM-21/02											
2 SQUARE SS 1 SS303 NS CSS-1303	81.60	24.00	PI_\$CLB								
3 PLATE 4140 HT 1 RANDOM NS P4140-1H-V	84.95	2.08	PI2_\$CLB								
1 X 6 1/4" X 48" HEAT: 301054 act3456-FU-21/02											

Total Weight (Lbs): 412.55

NIR : R-109516-6

Conditions :
All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days from this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

CL/Ric

Verified By :

JM

Delivered By:

✓

Time

1180304

Total (\$CAD)

Customer's Signature

Date



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038983

REVISES

Supplier:	ACI001-VC Acer Ouellette Inc. 935 Boul. Du Havre Valleyfield QC J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696	PO No:	PO038983
		PO Date:	2/7/18
		Due Date:	2/12/18
		Purchase Order Revision:	
		Revision Date:	
		Ship-To Contact:	Lacelle, Linda Phone: llacelle@dartaero.com
		Via:	Ground
Ship To:	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	Pymt Terms:	Net 30
		Freight Terms:	
		Special Comments:	quotation sou0084311

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
11	M303B1.000X03.000		303 Bar 1" X 3' : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	2/28/18	24 ft	0 ft	24 ft	\$74.41/ft	\$1,785.84
12	M303B1.000X1.000		M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	2/28/18	24 ft	0 ft	24 ft	\$20.94/ft	\$502.56
23	MT-4140-B-1.000X6.250		4140 Steel Bar 1.000 X 6.250 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft	Firmed	2/28/18	4 ft	0 ft	4 ft	\$61.25/ft	\$245.00

Items											
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price	
25	M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S- 5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	2/26/18	96 sf	0 sf	96 sf	\$6.50863/sf	\$624.83	
									96 sf	DAS	
										9-23	
											FEB 23 2018
Line Item Note replacement mat'l need credit for line #1 mat'l was not to spec's											
Grand Total: \$3,158.23											
Order Notes											
Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality documents A048 counterfeit parts avoidance, detection, mitigation and disposition program A049 supplier awareness											
Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.darlaerospace.com for further explanation.											

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CL



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038983

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO038983
PO Date: 2/7/18

Due Date: 2/12/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lacelle, LindaPhone:
llacelle@dartaero.com

E-M **SD**

FEB 09 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30

Freight Terms:

Special Comments: quotation sou0084311

REUISED

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304S16GA		304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$6.508625/sf	\$624.83
2	M304S18GA		304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	2/12/18	256 sf	0 sf	256 sf	\$5.355/sf	\$1,370.88
3	M304S20GA		304/316 .040 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$3.90854/sf	\$375.22
5	M6061T6S.040		6061-T6 .040 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$3.6648958/sf	\$351.83

96

FEB 13 2018

FEB 14 2018

256

FEB 14 2018

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PURCHASE ORDER

Items											
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price	
6	M6061T6S.063		6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	2/12/18	96 sf	0 sf	96 sf	\$5.6397916/sf	\$541.42	
7	M6061T6S0.250X6.250		6061-T651 Sheet 0.250" Thick Plate x 6.250" Wide	Firmed	2/12/18	6 ft	0 ft	6 ft	\$16.508333/ft	\$99.05	
8	M6061T6B1.000X04.000		6061-T6 Bar 1.00 X 4.00 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	2/12/18	12 ft	0 ft	12 ft	\$13.245833/ft	\$158.95	
9	M6061T6B1.000X8.000		6061T6 Bar 1.000 X 8.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	2/12/18	12 ft	0 ft	12 ft	\$24.994166/ft	\$299.93	
10	M6061T6B1.000X06.000		6061T6 Bar 1.00 X 6.00 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	2/12/18	36 ft	0 ft	36 ft	\$19.451666/ft	\$700.26	
11	M303B1.000X03.000		303 Bar 1" X 3' : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	2/16/18	24 ft	0 ft	24 ft	\$74.41/ft	\$1,785.84	
12	M303B1.000X1.000		M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	2/16/18	24 ft	0 ft	24 ft	\$20.94/ft	\$502.56	

Line Item	Part	Supplier Part No	Items									
			Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price		
13	M304B1.000X2.500		304 Bar 1.000 X 2.500" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/12/18	12 ft	0 ft	12 ft	\$30.255833/ft	\$363.07	12	02/13/18 FEB 14 2018
14	M304B2.500X02.500		304 Bar 2.500 X 2.500" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/12/18	12 ft	0 ft	12 ft	\$80.75/ft	\$969.00	12	02/13/18 FEB 14 2018
15	M304B0.625X4.000		304 Bar 0.625 X 4.000" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	2/12/18	4 ft	0 ft	4 ft	\$48.105/ft	\$192.42	4	FEB 14 2018
16	MT-4140QT-R1.375		MT-4140 QT-R1.375 : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BAR AS PER ASTM 4140 QT OR ASTM 4142 QT	Firmed	2/14/18	20 ft	0 ft	20 ft	\$9.3885/ft	\$187.77	24	FEB 14 2018
17	M303R0.250		303 Round Bar 0.250"	Firmed	2/12/18	12 ft	12 ft	0 ft	\$0.57633/ft	\$6.9156		
18	M6061T6TS1.250W.120		6061T6 Sq Tube 1.250 X 1.250 X.120W : MATERIAL: 6061-T6 OR 6061- T651/T6510/T6511/T62 SQUARE TUBING AS PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A-200/8 OR AMS 4160 receive ft	Firmed	2/12/18	20 ft	0 ft	20 ft	\$1.4615/ft	\$29.23	20	FEB 14 2018
19	M2024T3S.040		2024-T3 .040 Sheet : MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209	Firmed	2/12/18	48 sf	0 sf	48 sf	\$5.601875/sf	\$268.89	48	FEB 14 2018
20	M1018R1.00		1018-1025 Round Bar 1.00 : MATERIAL: AISI 1018- 1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM A108 receive ft	Firmed	2/12/18	20 ft	0 ft	20 ft	\$2.6685/ft	\$53.37	18	FEB 14 2018

FEB 14 2018

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Items											
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price	
21	MT-4140QT-R1.000		AISI 4140 Quenched & Tempered Steel Round Bar 1.000" Dia.	Firmed	2/12/18	8 ft	0 ft	8 ft	\$4.78875/ft	\$38.31	
22	MT-4140QT-R0.625		AISI 4140 Quenched & Tempered Steel Round Bar 0.625" Dia.	Firmed	2/14/18	100 ft	0 ft	100 ft	\$2.8782/ft	\$287.82	
23	MT-4140-B-1.000X6.250		4140 Steel Bar 1.000 X 6.250 AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft	Firmed	2/22/18	4 ft	0 ft	4 ft	\$61.25/ft	\$245.00	
24	MT-A513-T-0.750W0.085		A513 Seamless Alloy Steel Round Tubing 0.75"dia. x 0.085" Wall	Firmed	2/14/18	20 ft	0 ft	20 ft	\$3.60/ft	\$72.00	

Line Item Note 0.083"wall acceptable

Grand Total: \$9,524.50

Order Notes

Procurement Quality Clauses
 A005 right of entry
 A012 chemical and physical test report
 A016 personnel qualification
 A017 raw material identification (as applicable)
 A026 certification of material conformance
 A041 quality management system
 A042 dart notification by supplier
 A043 retention of quality documents
 A048 counterfeit parts avoidance, detection, mitigation and disposition program
 A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 2/9/18 1:48 PM dart.lavoie.chantal

FEB 14 2018

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9-89

**ACIER OUELLETTE INC.**

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0085398

Billed to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer N° CLI0001056**Date** 2018/02/09**Revision N°** 0**Prices valid until** 2018/02/16**Your Order N°** 038983**Processed by** Josianne Bourdon**Salesman** JOSIANNE**Carrier** OUELLE SDV**Credit Terms** Net 30 Days**Page** 1

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND 4140 HEAT TREAT 5/8 RANDOM R4140-58H-V 4977 5 X 20' R/L 2-3 DAYS	104.30	100.00	PI-\$CLB	100.00	PI		5.00	57.564	287.82
SURCHARGE ENERGETIQUE FRAIS ENERGETIQUE			\$						3.95

Total Weight (Lbs) 104.30**Important**

This offer is based on availability and current pricing conditions that may be revised upon reception of the order.

This offer is subject and conditional to credit approval.

Approved and Accepted by : _____

Date : _____

Sub-total 291.77

TVH-13 : 37.93

Total (\$CAD)

329.70

CO.73293
PART

PO.13480

MONTANSTAHL
special profiles in steel 

Tel.: +41 (91) 6416-875
Fax.: +41 (91) 6416-804
Email.: qualita@montanstahl.com

Certified by TÜV SÜD Management Service GmbH according to:
ISO 9001:2008, with certificate N° 12 100 6402 TMS AD
2000-Merkblatt W0
PED (2014/68/EU), with certificate 41/2003/MUC Annex I,
Section 4.3
CPR 305/2011, Certificate N° 0038-CPR-M-63-2013
EN 1090-1:2009, Certificado N° 0038-CPR-EN1090-1-00437
TÜV SÜD.2018.001

Inspection certificate
EN 10204 3.1

MONTANSTAHL AG, Via Gerreto 4, CH-8855 Stabio

Company
STAINLESS STRUCTURALS LLC
575 Conroe Park West Drive
USA 77303 CONROE

Certificate no.
72524-00

Product	Flats - ACD 1x3 inch, 11'-13'	Execution	ACD			
Grade	AISI 303 - UNS S-30300 / ASTM A582/A582M-AMS5640 U type 1	Melting	EAF/AOD			
Size standard	Product standard	Order confirmation no.	Invoice no.			
AMS 2241S						
Your order	Your order position	Your article no.	Net weight			
			1986 lbs			
Bundles	1295100,1295111					
Heat	C Si Mn P S Ni Cr Mo Ti Al N Cu Pb V Co					
E274980	0.055 0.59 1.84 0.028 0.254 8.60 17.78 0.34		0.020 0.60 0.096			
Heat	Tensile strength	Yield strength	Elongation	Area reduction	Hardness	Impact test
E274980	Rm 103 ksi	Rp 0.2% 61 ksi	Rp 1% 45 %	A5 Z 55 %	HB 175	KV

- We hereby confirm that the material certified in this document is conform to enclosed data sheet
- Material is produced in compliance with ROHS (2002/95/EC)
- Material free from Mercury, Cadmium and radioactive contamination
- Micro and Macro structure: OK.
- No weldings or weld repair
- The delivery is in accordance with the order

- Country of melt: Germany
- Country of manufacturing origin: Switzerland

* Supplier's analysis

Manufacturer's symbol

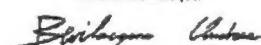


Date 26.05.2017

Quality department

Authorized inspector:

Andrea Bevilacqua



BOLLINGHAUS[®] STEEL Böllin aus Steel, SA DIN EN 10001-2008 TÜV CERT 01 16-050458		Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade							No.: / Nr.: / Nr.:						
		EN 10204:2004 / 3.1							0000132769						
		Unsere Innere Verweisung / Our Int. Ref. N. ref int							Datum / Date / Data						
		5600036695 000040							30.08.2017						
Normen / Standards / Normas															
TYPE 303/UNS S30303 acc. to ASTM A582/A582M-12a1, ASTM A314-16, ASTM A320/A320M-15a, ASTM F899-12a, ASTM A370-17, ASME SA320/SA320M, ASME SA370, TYPE 1 acc. to AMS 5640V, ASTM A484/A484M-16, Sulphur 0.28-0.30 %. ASME specifications versions 2015 Section II Part A.															
Kunde / Customer / Cliente					Endgültiger Kunde / Final Customer / Cliente Final										
Bestell Nr./Order Nr./Enc.Nr.					Bestell Nr./Order Nr./Enc.Nr.										
228 Produktgruppe / Product Group / Grupo Produto					Gewicht / Weight / Peso			Bunde / Bundle / Atados							
AISI 303 CD SQ 1"					5.349 lb			05							
Werkstoff-Nr. Material-no. Qualidade			Werkstoff-Normbezeichnung / Material standard grade / Norma do material												
1.4305			X 8 CrNiS 18-9												
Beschreibung / Description / Descrição															
Stainless steel cold drawn square bars US DFAR 252.225-7009: MELT SOURCE: France / MFG: Portugal.															
Schmelznr. Cast nr. / Fundo nr.		Chemische Analysen in % / Chemical composition in % / Análise química em %													
87705071		C	0.054	Si	0.401	Mn	1.684	P	0.036	S	0.289	Cr	17.144	Ni	8.286
EAF+AOD		Mo	0.349	Co	0.114	Cu	0.516	N	0.030	Ti	0.001	-	-	-	-
Proben Nr. Test no. Amostra no.		ASTM E399			ASTM A370										
		Hartschlagarbeit Impact Test Resilience			Streckgrenze Yield point Tensão limite	Dehngrenze 1% point Límite de estiramento	Zugfestigkeit Tensile strength Tensão de rotação	Dehnung Elongation Alongamento		Einschmelzung Heat treatment Tratamento térmico					
		(Charpy V)			Rp 0.2 %	Rp 1,0 %	Rm	A5	40	Z					
		(J)			[Ksi]	[Ksi]	[Ksi]	[%]	[%]	[%]					
3083919.02.01					74.0	81.1	107.0	41.5	44.3	60.4					
Visuelle Kontrolle Visual inspection Inspeção visual		<input checked="" type="checkbox"/> Ok	ASTM E10 Härte Kürbasse Dureza [HB]			Korngrößencheck IC Test Caracte. Interstitial			Wärmebehandlung Heat treatment Tratamento térmico						
ASTM A484 Maßstabsrolle Dimensional inspection Inspeção dimensional		<input checked="" type="checkbox"/> Ok	ASTM E112 Korngröße Grain size Tamanho de grão			Werkstoffprüfung Quality Control Representative Inspector da Qualidade			Annealed Quenched 1800 °F (1050 °C) (water quenched)						
Verwechslungsprüfung Test of identity Teste de identificação		<input checked="" type="checkbox"/> Ok	Makroskopische Untersuchung Macrographic test Material Sehstörung segregation defects.			<input checked="" type="checkbox"/> Ok									
Bemerkungen / Remarks / Observações															
Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.															
Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.															
Bollinghaus Steel, SA															
I29.0 PP															

Dar

Chemical certification
Certification chimique

CO 73293

AC 13456

Order Num / No. Commande AC-13456	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 08/31/17	Heat / Équée 301054	Material ID # / No. matériel
Grade / Nuance 4140 PLT	Conditions HEAT TREATED				
Shape / Forme FLAT	Size / Dimension 1.000	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique

Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190
Actuel % 0.400	0.300	0.780	0.009
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500
Actuel % 0.000	0.970	0.210	0.170
Cooper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.249	0.036	0.050	0.000
Cobalt (Co)	Titanium (Ti)		
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000

Mechanical properties / Propriétés Mécaniques

Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000	PSI	0.000	PSI	0.00	0.00

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

JM
Prepared by: / Préparé par:

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-B-1.00X6.250
 DATE: MAR 02 2018

PO / BATCH NO.: 038983/SC47257

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 4
 QUANTITY INSPECTED: 4
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Astm A829</i>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Heat # 301054</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: _____
DATE: <u>9-89 MAR 02 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
 MAXIMUM ROCKWELL C = 28 Rc
 MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION:

ASTM A829, AMS 6395

PART NUMBER:

MT-4140-S-[T].[TTT] x [W].[WWW]
 WHERE "T.[TTT]" = THICKNESS IN INCHES
 WHERE "W.[WWW]" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.5000x3.500

REV.		DESCRIPTION		ECN #	DATE	BY	S/ED
A	NEW ISSUE	10-544	10.2.13	VM	ML		

TITLE		REV
AISI 4140 / 4142 STEEL SHEET OR PLATE		A
PART NO	MT-4140-S	REV

TECH. NO.		REV
- UNLESS OTHERWISE SPECIFIED INTERFACES PER ASME Y14.5M-2009 GEOMETRIC DIMENSIONS & TOLERANCES PER Y14.5M-2009 DRAWINGS ARE FOR INFORMATION ONLY NOT FOR MANUFACTURE		A

INITIALS AND DATE		REV
VM 21/3/2018		A

DESIGNED BY:		REV
VM 02/1/2018		A

DRAWN BY:		REV
VM 02/1/2018		A

CHECKED BY:		REV
VM 02/1/2018		A

MFG REVIEW BY:		REV
DD 02/1/2018		A

APPROVED BY:		REV
ML 02/1/2018		A

SCALE: INTB		REV
SHEET 1 OF 1		A

DRAFT
Aerospace

Hamilton, Ontario, Canada

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303B 1.000X1.000
 DATE: MAR 02 2018

PO / BATCH NO.: 038983/SC417256

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 26
 QUANTITY INSPECTED: 26
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Astun A582</i>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Heat # 67705071</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> <small>9-89</small>	SIGNED OFF BY: _____
DATE: <u>MAR 02 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

ASTM A582
M303BT.TTT X(WW/WWW)
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
AND "WW/WWW" = WIDTH IN INCHES
E.G. 0.5" x 3.0" BAR = M303B0.500X03.000

△ SPECIFICATION:
PART NUMBER:

△

RELEASED
R 2010-07-02

[Signature]

B	REFORMATT DWG. ADD SPEC'S (ZN D8-1). REF PAR 08-020A	CP	10.01.05
A	NEW ISSUE	DS	02.05.29
REV	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
DRAWN	<i>[Signature]</i>	DRAWING NO.	<i>[Signature]</i>
CHECKED	<i>[Signature]</i>	M303B	REV. B
MFG. APPR.	<i>[Signature]</i>	SHEET 1 OF 1	
APPROVED	<i>[Signature]</i>	TITLE	
DE APPR.	<i>[Signature]</i>	SCALE	
DATE	10.01.05	NTS	

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 1303B1.000X03.000
 DATE: MAR 02 2018

PO / BATCH NO.: 038983/SC47255

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24
 QUANTITY INSPECTED: 24
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> <input type="checkbox"/> N	Astm A582
CORRECT THICKNESS	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	Heat # E274980
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)		
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____		
DATE: <u>9-89 MAR 02 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS BAR
ANDIE: AISI-304/316 NOT ACCEPTABLE

SPECIFICATION: ASTM A582

PART NUMBER: M303BTTTTXWWWWWW
M303BTTTTXWWWWWW
THICK| WIDTH

WHERE "TTTT" = THICKNESS IN INCHES
AND "WWWWWW" = WIDTH IN INCHES

EG. 0.5" x 3.0" BAR = M303B0.500x03.000

RELEASED
2010-02-02
AP

REFORMATTED DWG. ADD SPECCS (ZN DB-1), REF. PAR. 08-200A		CP 10.01.05
A NEW ISSUE		DS 02.05.29
REV.	DESCRIPTION	BY DATE
DESIGN	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DRAWING NO.	REV. B
CHECKED	M303B	SHEET 1 OF 1
MFG. APPR.	TITLE	SCALE
APPROVED	303 BAR	NTS
DE APPR.		
DATE	10.01.05	

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